

NAVAL TECHNICAL TRAINING COMMAND

SCHEMATIC DIAGRAMS

DEVICE 8H7

ADVANCED FIRST TERM AVIONICS COURSE

CNTT-M607 (Rev. 11/84)

NAVAL AIR TECHNIC
NAVAL AIR STATION MEN

For Training

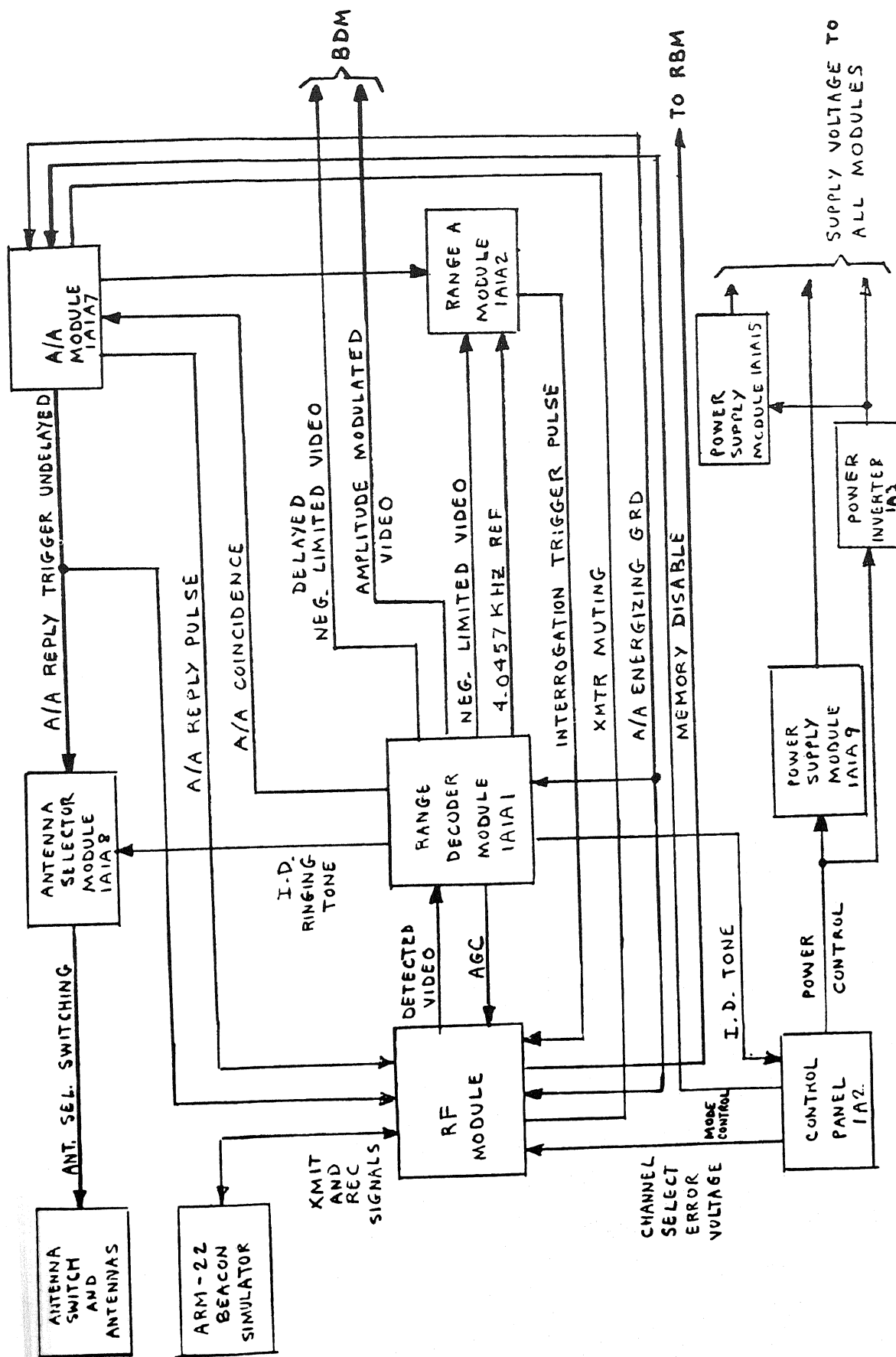
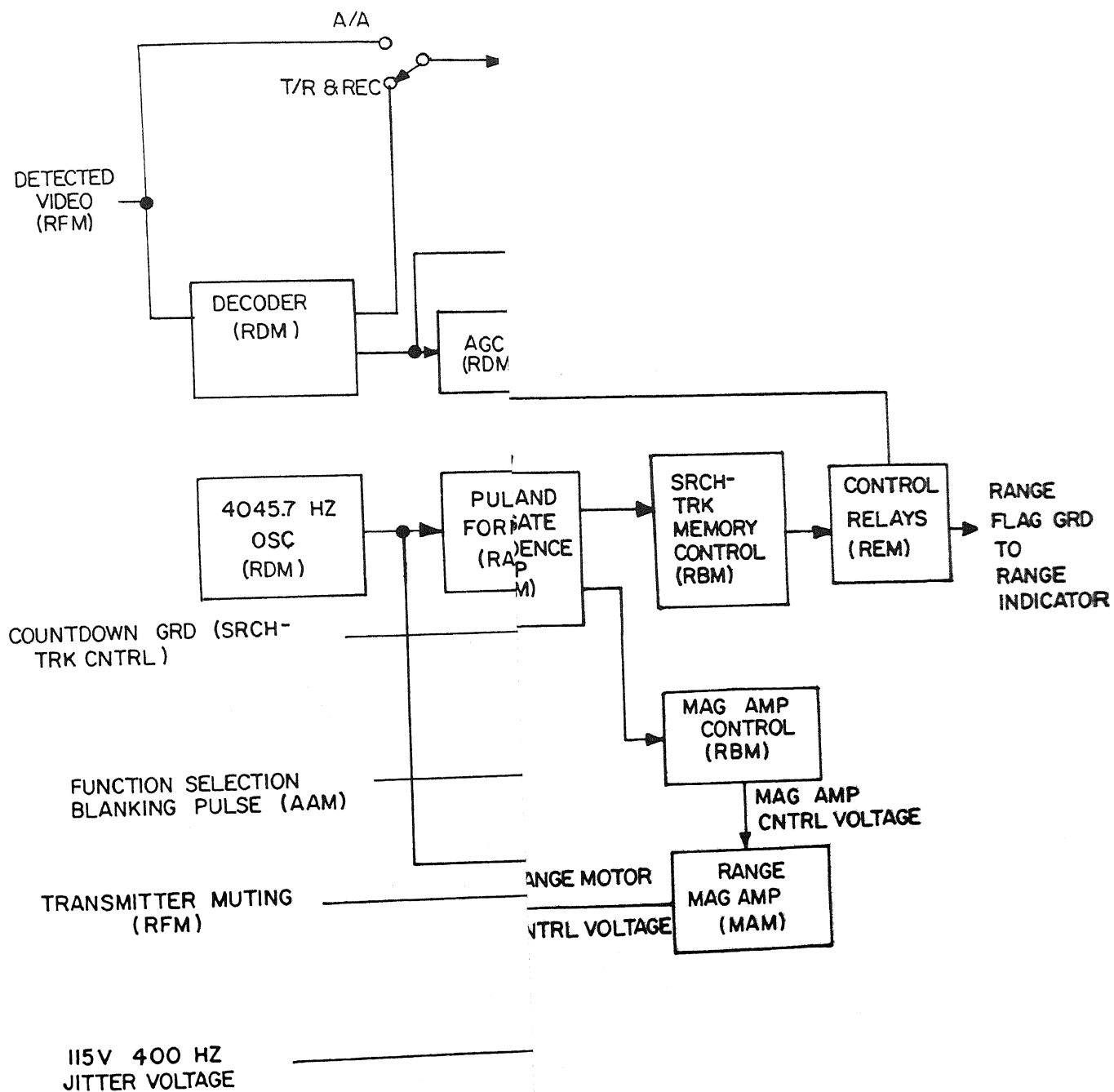


Figure 4-2. Receive-Transmit Function, Block Diagram



D. Ranging System, Simplified Block Diagram

4-37

3

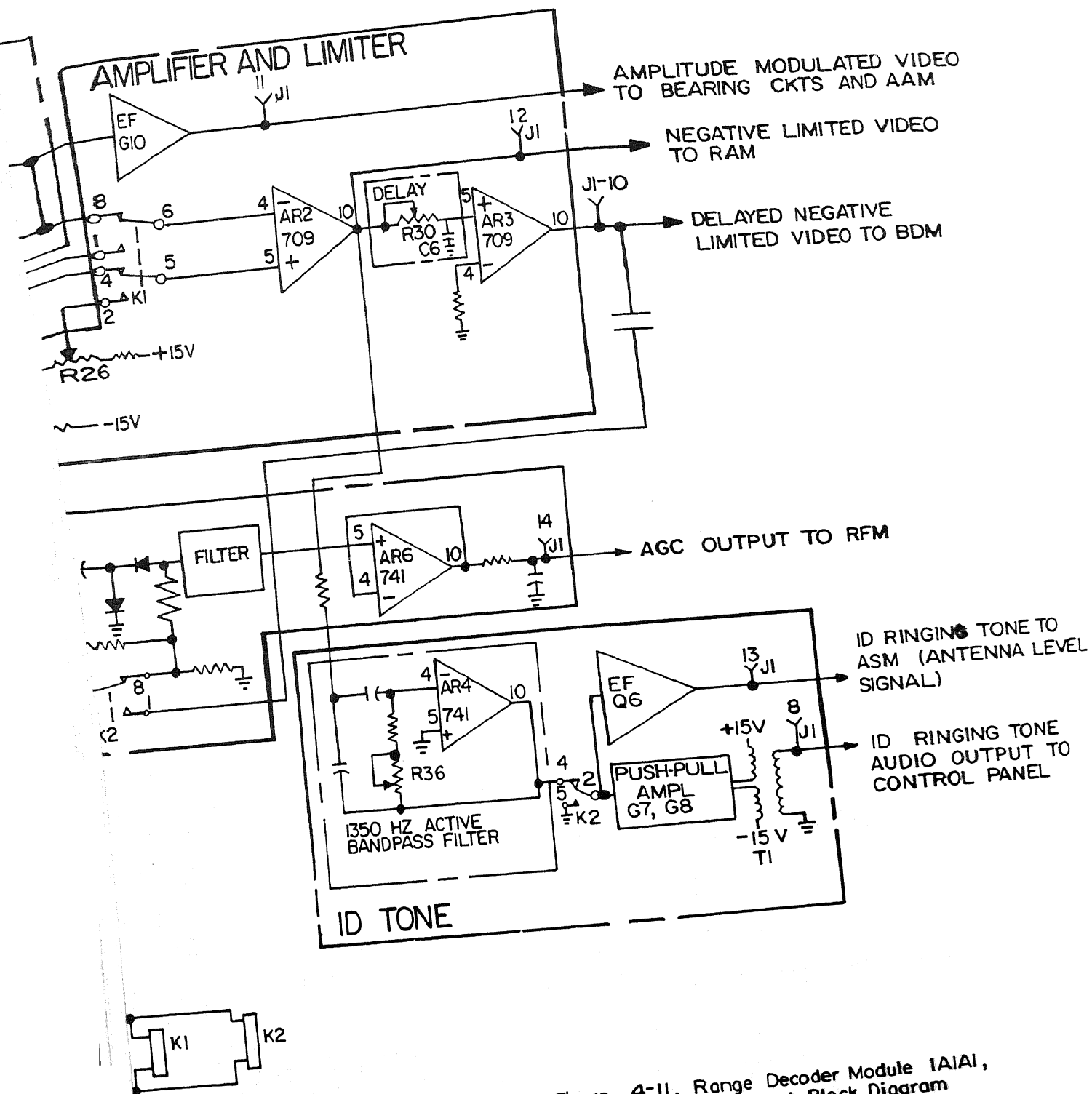
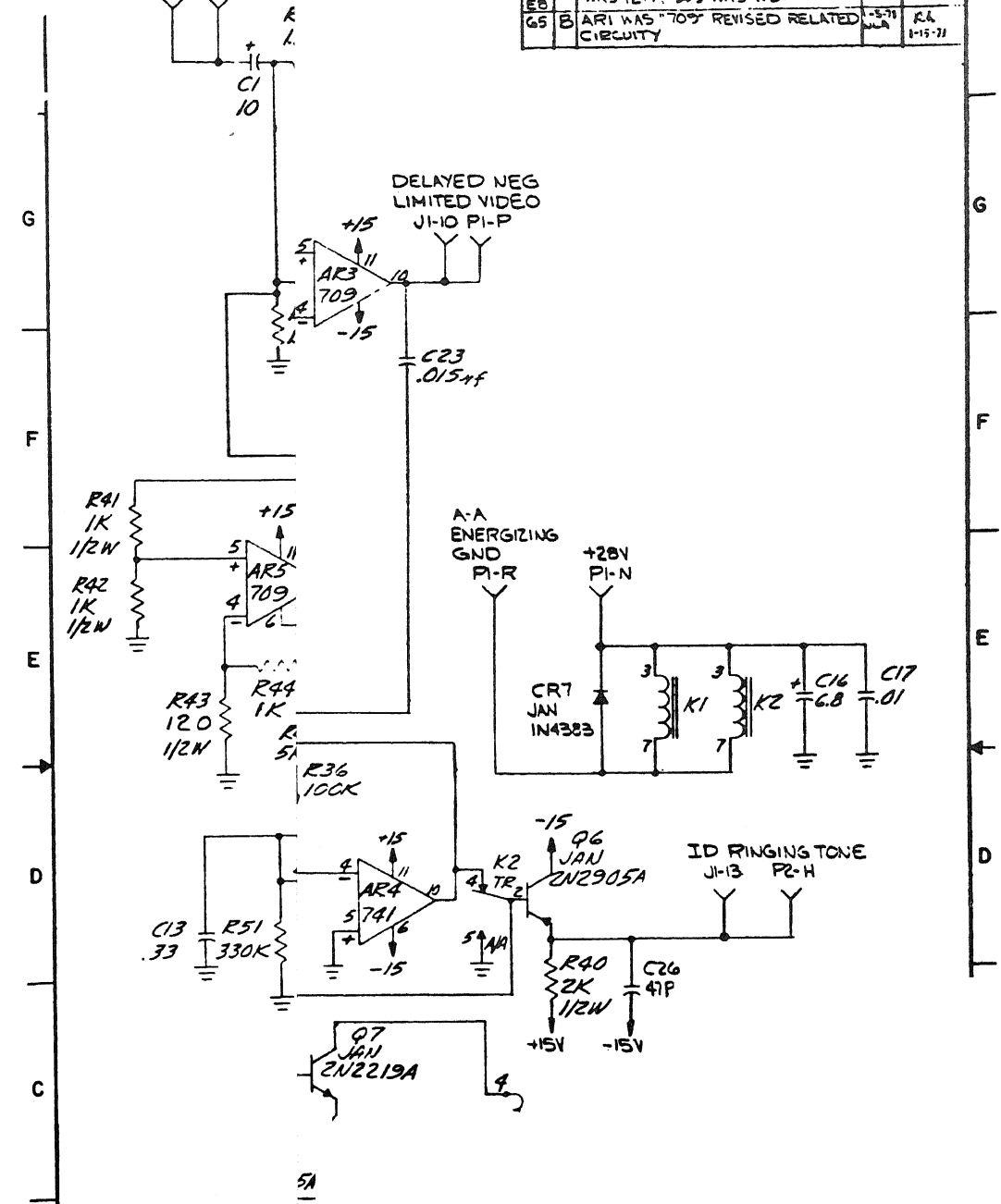


Figure 4-11. Range Decoder Module 1A1A1, Functional Block Diagram

4-39

4

		REVISIONS		DATE	APPROVED
ZONE	LTR	DESCRIPTION			
C2	A	ADDED C26, C6 WAS .555, C10 WAS .1, C45 .22, R33 WAS 220, R38 WAS 12M, R48 WAS 12M, R49 WAS 1.5M		1-15-71	RL
G5	B	ARI WAS "70" REVISD RELATED CIRCUITY		1-15-71	RL



NOTES:
 1. UNLESS OTHERWISE SPECIFIED
 FOR RESISTOR
 OR MICROFARAD
 - 1/4 WATT, 5%
 2. ALL REFERENCES
 FOR COMPLETE

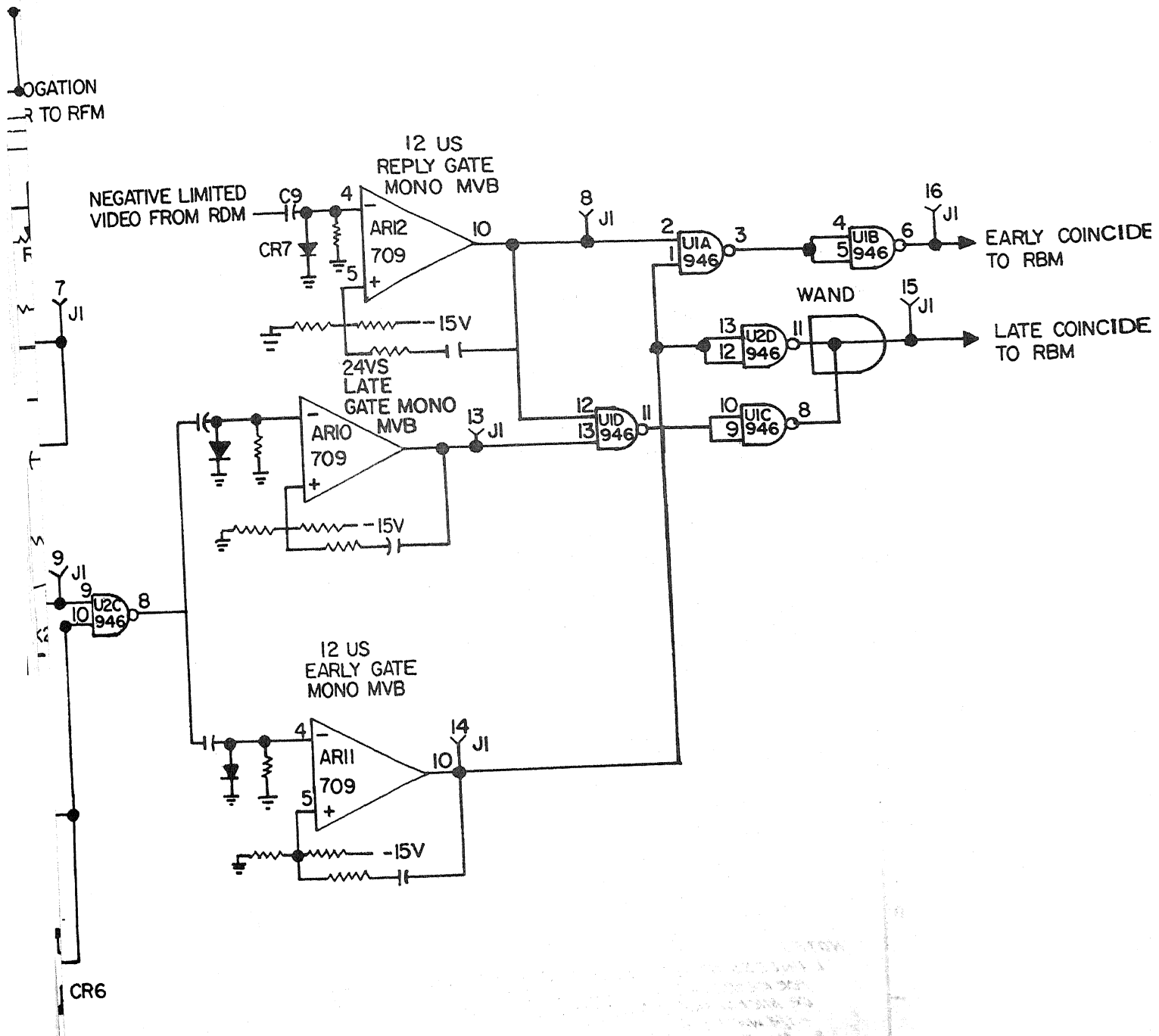
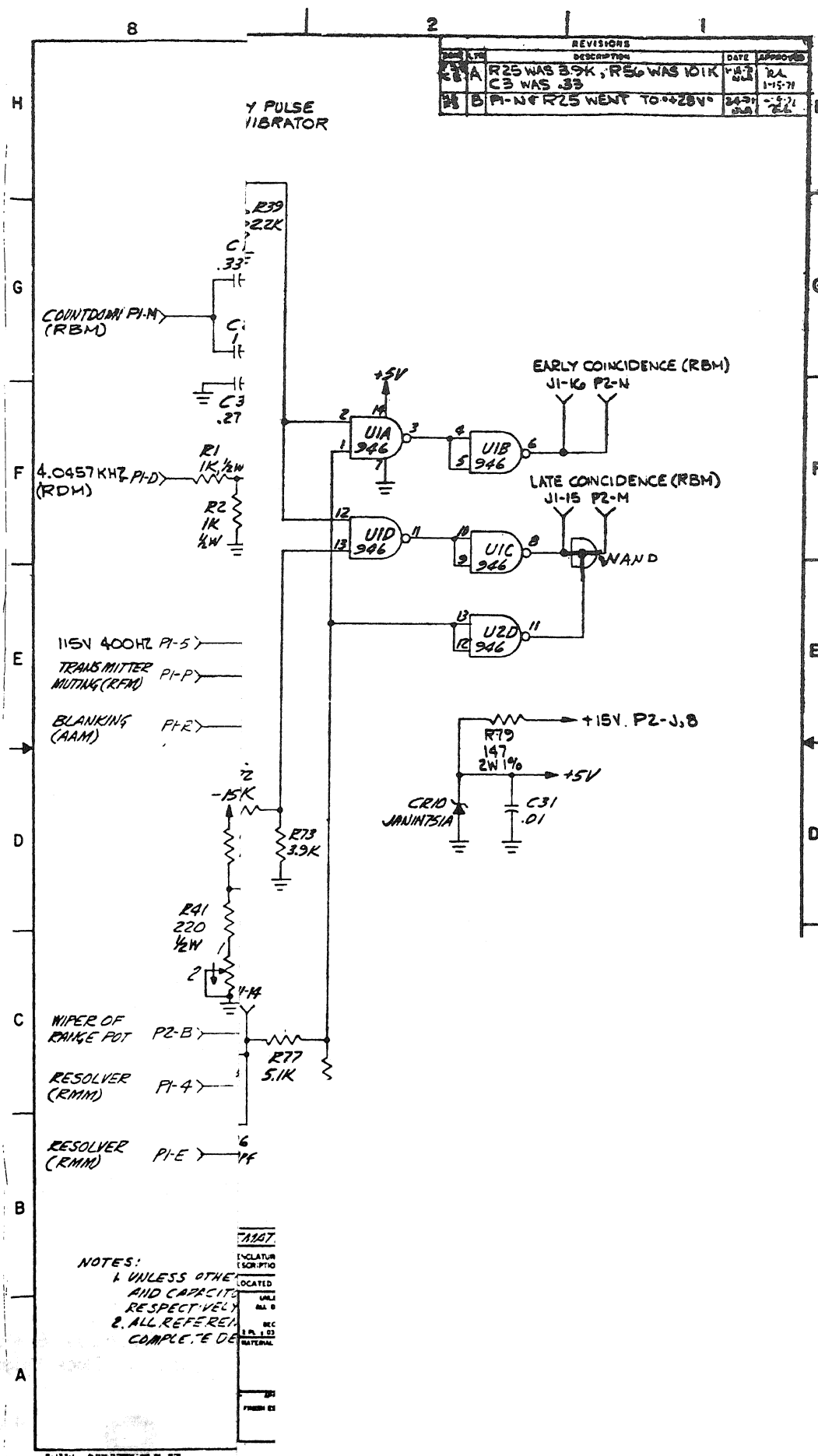


Figure 4-12. Range A Module 1A1A2, Functional Block Diagram



RELAY SWITCHING LOGIC

RELAY	SEARCH	LATE	TRACK	MEMORY
K2	ON	ON	OFF	ON
K1 K3, K4	ON	OFF	OFF	OFF
K5, K6	OFF	ON	ON	ON

NOTE: ALL RELAYS SHOWN IN OFF (DEENERGIZED) POSITION.

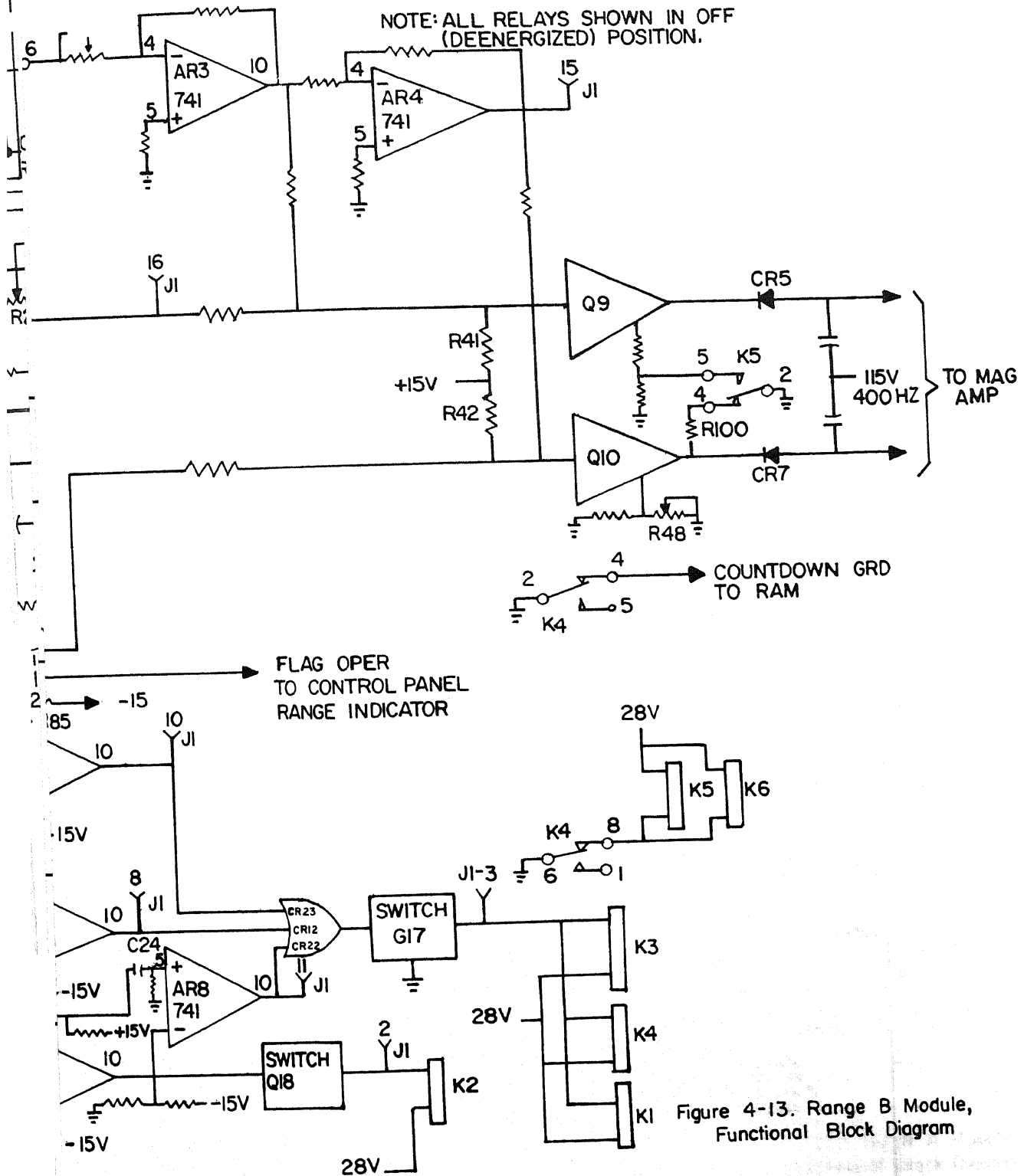
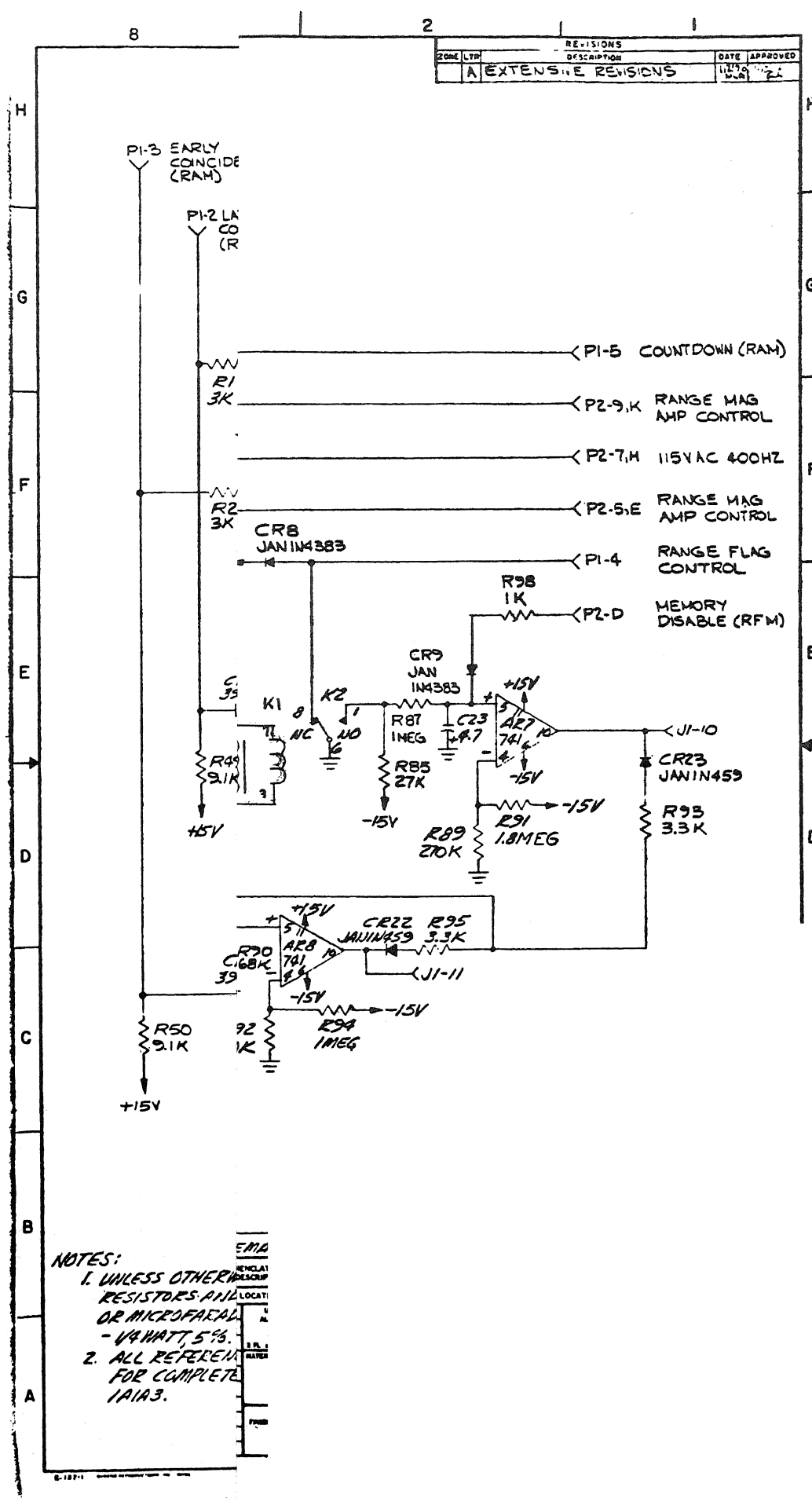


Figure 4-13. Range B Module, Functional Block Diagram



NOTES:
 1. UNLESS OTHERWISE SPECIFIED
 RESISTORS AND LOCATIONS
 OR MICROFARAD
 - 1/4 WATT, 5%
 2. ALL REFERENCES
 FOR COMPLETE
 1A1A3.

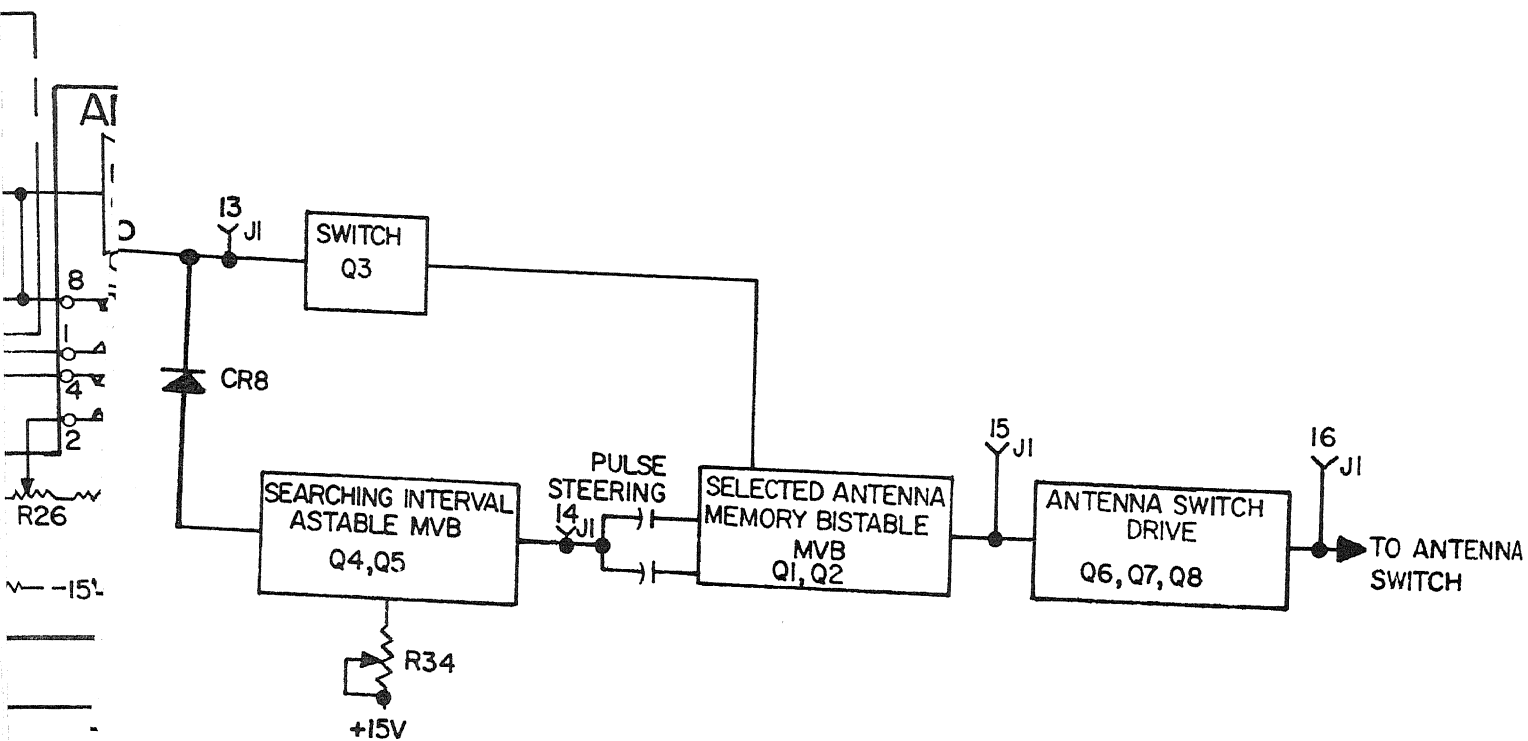
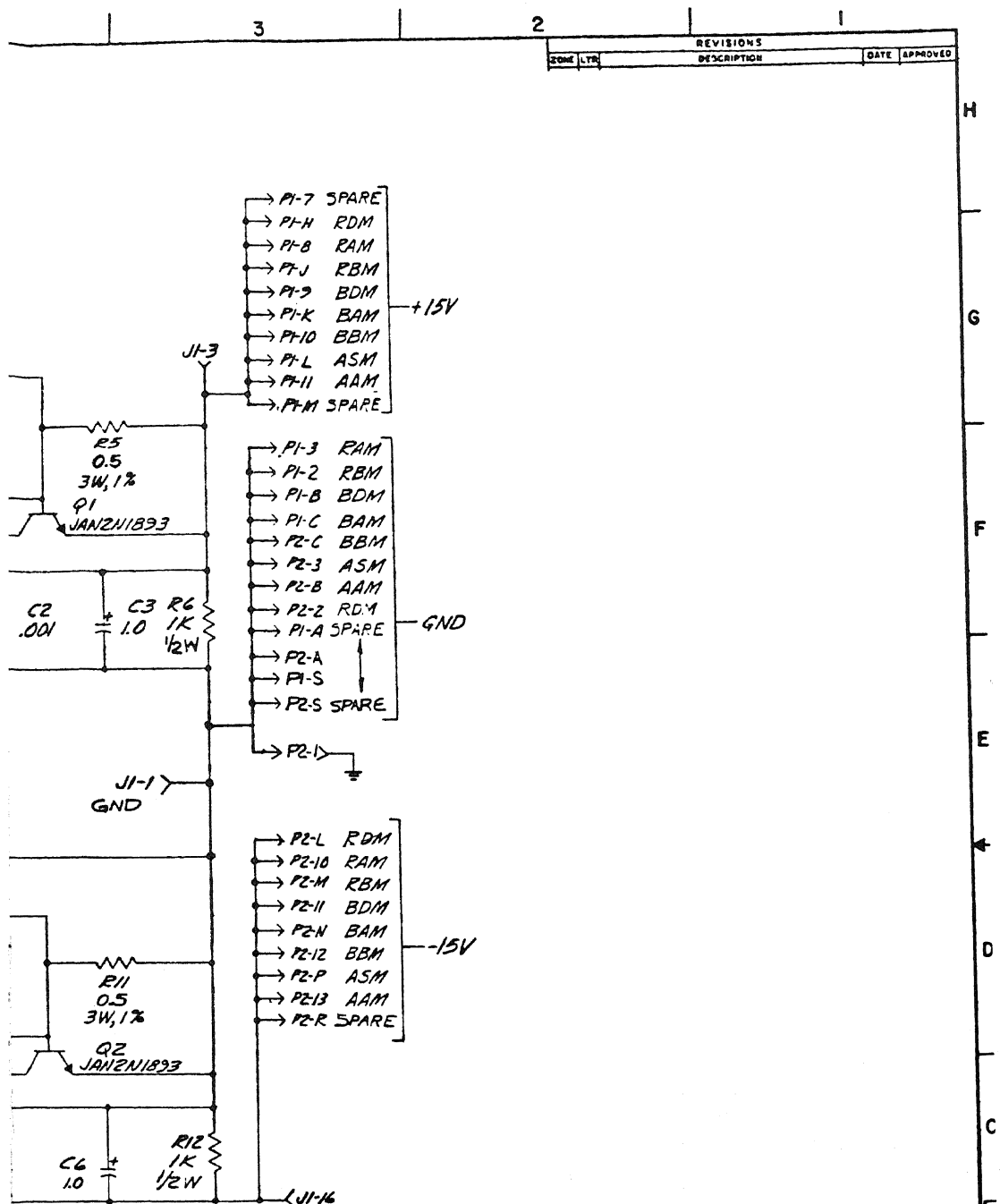


Figure 4-9. Antenna Selector Module IAIA8, Functional Block Diagram



776850C83109		SCHEMATIC		CONTRACT NO. 776850C83109		NAVAL TRAINING DEVICE CENTER	
QTY REQD	PART OR IDENTIFYING NO	ITEM NO	CODE	DESCRIPTION	STOCK SIZE	MATERIAL	DATE SPECIFICATION
PART NUMBER MARKING PER MIL-STD-130 LOCATED				LIST OF MATERIALS DO NOT SCALE DRAWING HOLE TOLERANCE PER ANSI B31.1			
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONS				HYDROSYSTEMS, INC. FARMINGDALE, L.I., N.Y.			
MATERIAL				DATE			
SPECIFICATIONS				12			
REF 776850C83109				F 89297 776850C83109			
NEXT ASSEMBLY USED ON				SHEET			

CONTRACTORS CODE IDENT 23259

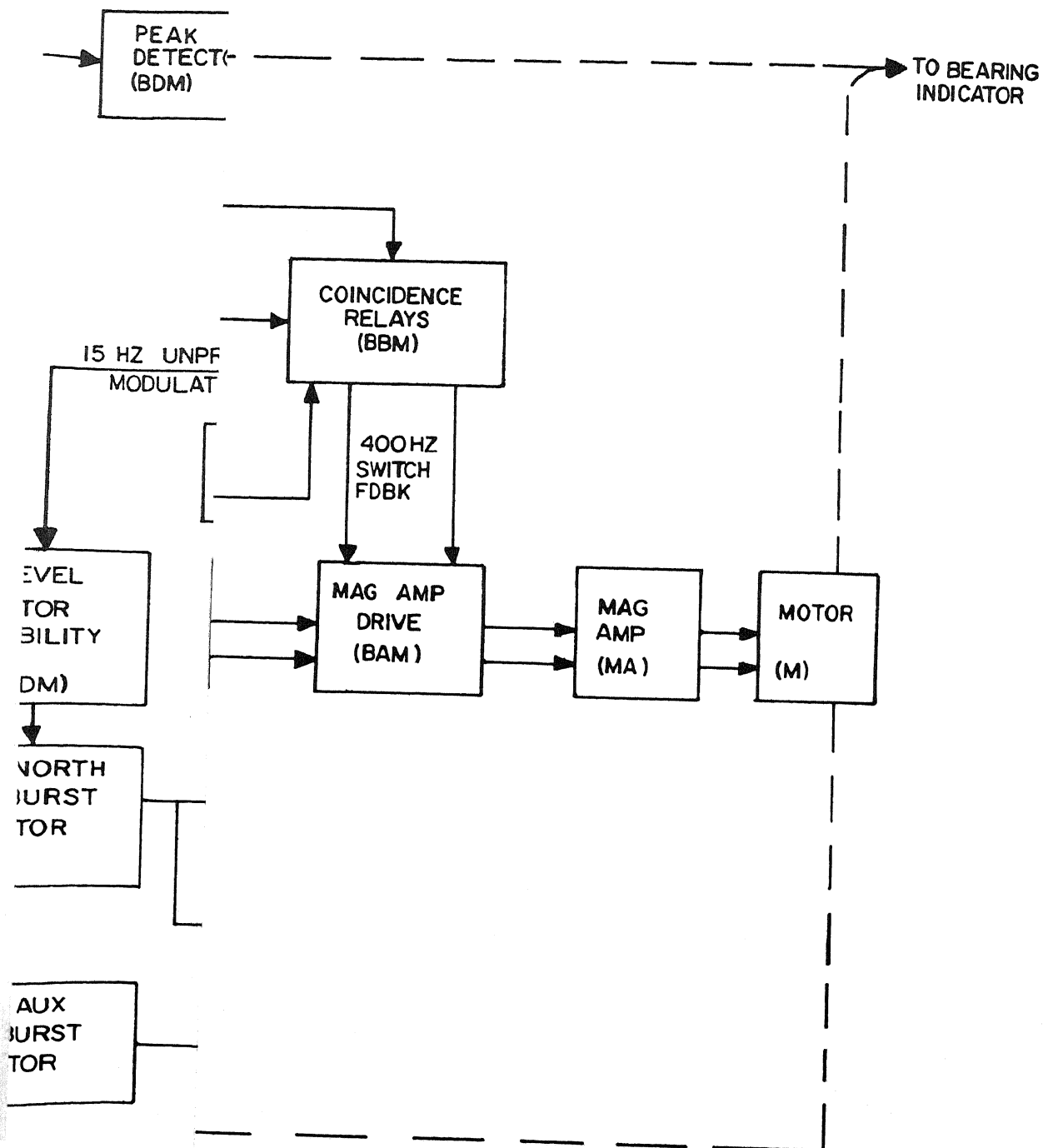
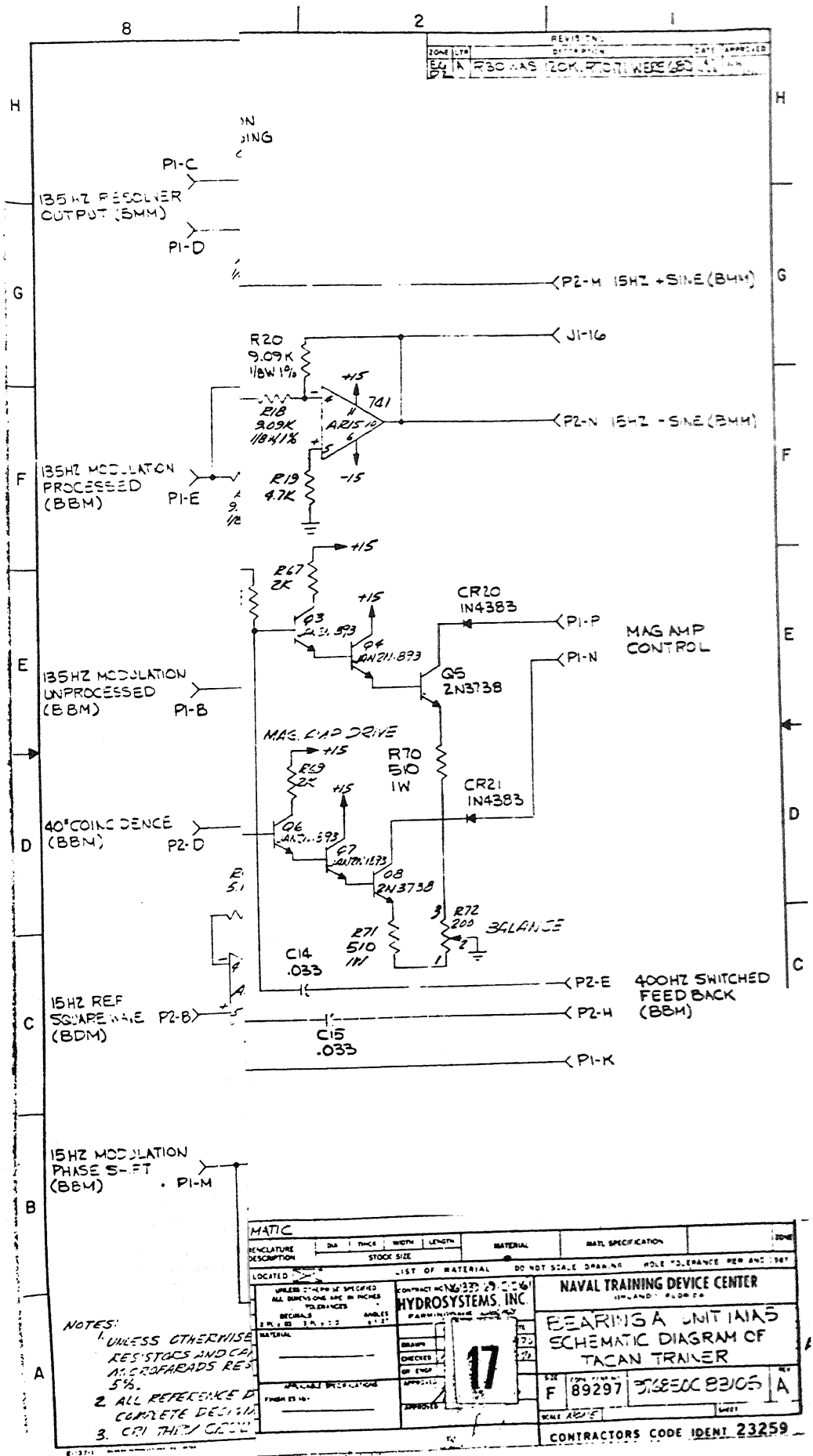
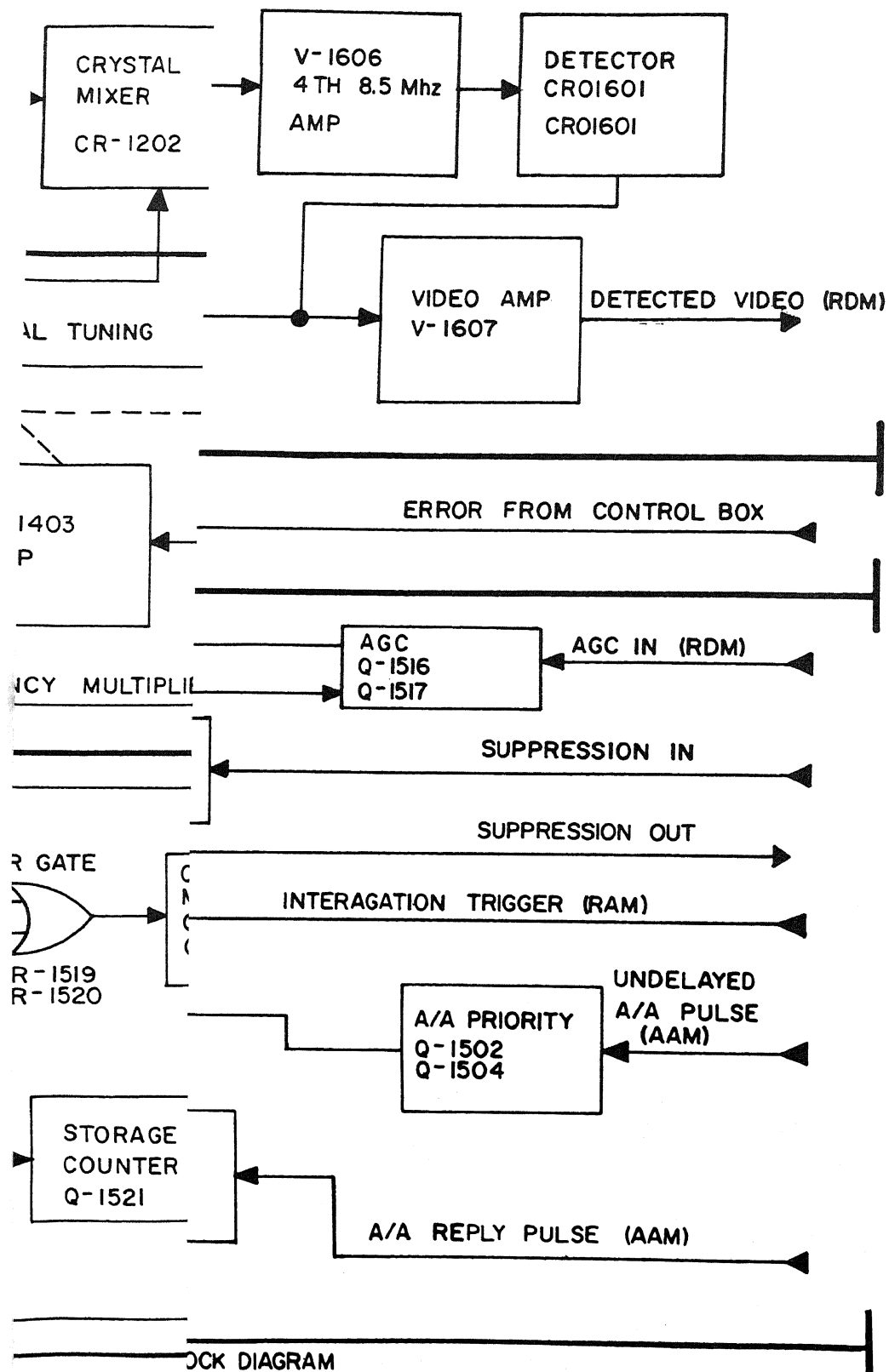


Figure 4-16. Bearing Subsystem, Functionfctional Block Diagram

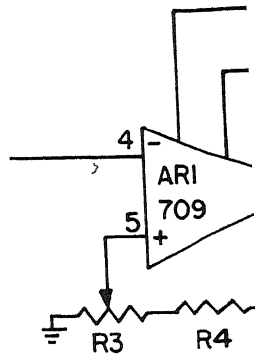
4-61





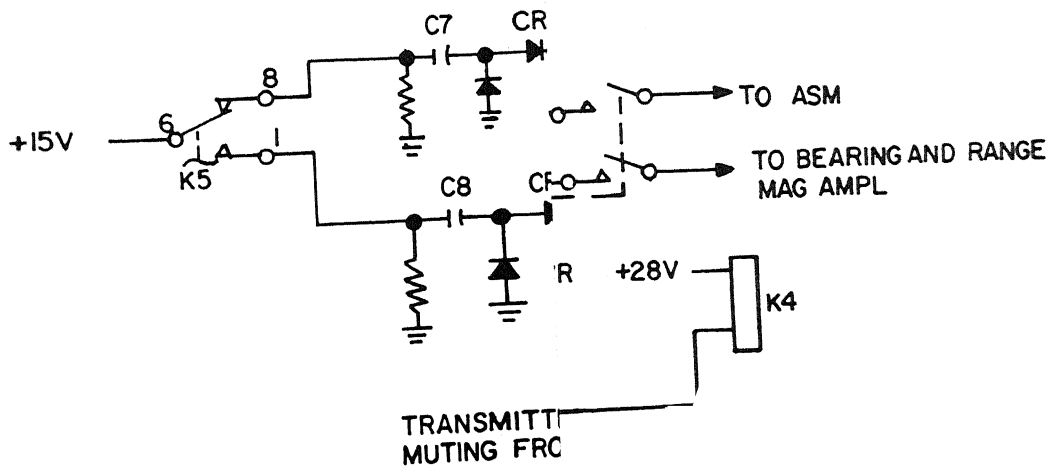
A/A THRESHOLD AMPLIFIER

A/A COINCIDENCE
(AMPLITUDE MODULATED
VIDEO) FROM RDM)

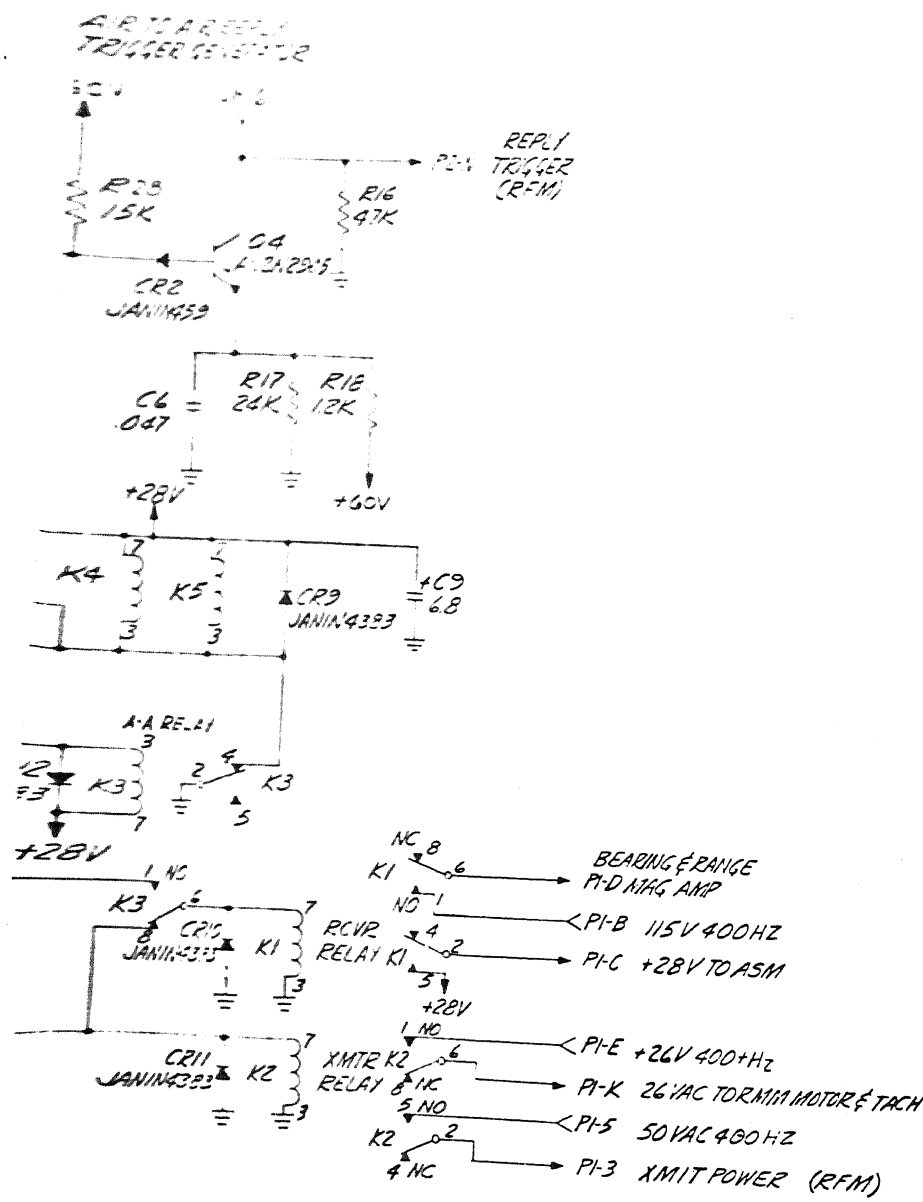


MOTOR AND TACH

BLANKING₂ TO RFM



DATE	BY	REVISIONS	DATE	BY	REVISIONS
1976	12	1	1976	12	1
1976	12	1	1976	12	1



1976250C83107		SCHEMATIC		PART NUMBER MARKING PER MIL-STD-130 LOCATED		LIST OF MATERIAL		DO NOT SCALE DRAWING		HOLE TOLERANCE PER ANSI	
QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT
1	PCB	1	PCB	1	PCB	1	PCB	1	PCB	1	PCB
HYDROSYSTEMS, INC.				NAVAL TRAINING DEVICE CENTER				ORLANDO, FLORIDA			
21				AIR TO AIR UNIT/TAUT				SCHEMATIC DIAGRAM OF			
TACAN TRAINER				F 89297				1976250C83107			
CONTRACTOR CODE IDENT 23259				SHEET				A			

